August 1942



LEHGHWBULLETIN



EWARE of an America aroused!" D Sure we've been rolling on rubber—eating our sirloin steaks—lolling in the luxuries which only free Americans have the God-given genius to create, and the capacity to enjoy. But we can still take it, and we can still dish it out.

The world knows now that this "love of luxury" is just a thin outer garment, easily whipped off in an emergency—and that, underneath it, there are muscles of steel.

Sacrifice? We will sacrifice anything but our Liberty! Suffering? We still remember about Valley Forge, and the blood of our fathers on the snow!

Death? Better death, any day, than life without freedom!

So they said we'd rather lose a war than lose an election? And those cracks, dividing us, were deep craters—not just surface scratches? Management wouldn't work with men, and men wouldn't work with management? And we couldn't get going fast enough to become a real factor in this war?

What a jolt the Axis is in for! You might just as well try to sweep the tide back with a broom as try to buck American machines, driven by free, skilled American workers.

Inspired by the job our own workers are doing, we view this crisis, not with alarm—but with confidence. Every lathe, every drill, every tool in our plants has been turned into a weapon of war—every worker, man or woman, into a PRODUCTIONEER—a soldier in overalls. Such spirit, such skill, such strength cannot lose—for these men and women are fighting with their hearts, as well as with their heads and their hands—fighting, along with the millions of other patriotic workers throughout all America—to STAY FREE!



Fully equipped with rifles and packs, military students find that it is not easy to traverse Lebigh's new obstacle course

Lehigh Operates on War Time

Ву

E. KENNETH SMILEY

Director of Admissions

N April 11 Brigadier General Frank J. McSherry, then Deputy Director for Labor Supply and Training for the War Production Board, wrote to Dr. John W. Studebaker, United States Commissioner of Education: "There is urgent reason to employ two measures:

- 1. To secure the services of all fully or partially trained engineers in the field in which they are trained;
- 2. To supply engineering colleges with freshmen for their regular or accelerated beginning classes who are competent to undergo the training and who will persist until the training is completed.

Institutions, whether of college or secondary rank, and individuals, whe-

ther youth or adults, cooperating to the above ends, are in fact rendering essential war services."

In rendering such essential war service Lehigh has undertaken a yearround instructional program, has thus made facilities of the University available to a vastly increased number of students, and has arranged to place facilities at the disposal of a group of students heretofore denied the privilege of University training by creating the General College Division.

The so-called accelerated program at Lehigh is a misnomer. Lehigh is actually offering a continuous session program, for the students who have elected to complete the regular undergraduate courses in two and two-thirds

calendar years do so by attending University exercises forty-eight weeks each year. The "accelerated" program at Lehigh is not a short cut: no course is omitted and no time taken from the student's educational program. The student in the accelerated program participates in the same number of instructional exercises, has the same amount of time for preparation of each exercise, as does the student in the conventional four year program. All that he does is to exchange vacation time for University instruction.

On May 17, 693 Lehigh undergraduates registered for the first complete summer semester to be offered by the University. This summer semester is sixteen weeks in length, the same

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AUGUT, 1942



Here are the facts about Lehigh's war time assistance to the government without modifiest three-quarters of a century of her ex

(Above) A new spirit of determination is evidenced by members of the Reserved Officers Training Corps as they drill under the command of competent officers; (Right) Members of the Corps give a demonstration of mass calisthenics during the annual field day exercises held in Taylor stadium. The two pictures on the opposite page show undergraduate students working with some of the University's modern equipment to complete their laboratory experiments

time which is involved for regular fall or spring semesters. The difference lies in the fact that the summer semester is divided into two eight-week periods; each student at the beginning of the summer semester registers in a maximum of nine semester hours instead of the normal eighteen and, by attending classes in each subject every day instead of three times a week completes the work of the nine semester hours in eight weeks. On July 15 these students, plus something over 100 freshmen admitted at that time, registered in an additional nine hours to be completed on September 9 in time to allow one week of breathing space before beginning classes for the fall semester on September 16.

IN the meantime, evidences of the war program appeared in every nook and corner of the campus. Officers of the United States Navy have been detailed to Lehigh University for intensive work in Diesel engines. A contingent of 30 naval cadets have occupied Price House while taking special work in civilian pilot training offered at Lehigh University and at the Allentown - Bethlehem Airport.

This group will be replaced in September by a similar delegation, but, since the rooms in Price Hall have been rented to Lehigh students, the Naval cadets will be transferred to a local hotel.

Research is not new to Lehigh, but some of the projects now underway in Lehigh laboratories are shrouded in an atmosphere of excitement and secrecy. For several months there have been underway in the chemistry building intensive investigations in the general field of high explosives. In another building a member of the Lehigh faculty is in charge of a highly confidential study in the general field of Metallurgy and Welding. Details of these studies are reported only to appropriate officers in Washington: not even the President of Lehigh University knows the detailed steps of the investigations.

At Commencement last June Lehigh graduates were awarded commissions not only in Infantry and Ordnance as has been our practice for many years, but also in the Signal Corps, in the Marines, in the Air Corps, and in the Quartermaster Corps. The number of candidates for selection for the Ad-

vanced courses in R. O. T. C. is greater than in any past year. Instruction in Military Science now includes practical and realistic grappling with practical problems. To provide timely and appropriate instruction in Military Science and Tactics an "Obstacle" course has been constructed in Crystal Springs ravine above Drinker House. Carrying Garand rifles and packs, potential officers are sent hurtling over this obstacle course under a stop watch: over a log, under an "obstacle", over a wooden wall—students are taught not only the theory but the practice of attaining objectives.

Extraordinary and significant activity has teemed throughout the athletic plant (see page 16) as Jim Gordon, acting director of athletics, and his assistant, Eb Caraway, have arranged athletic contests during the summer semester and laid groundwork for a physical fitness program in September to be administered with the assistance of Fay Bartlett and the entire coaching staff. George Hoban, the new football coach, has been busy laying plans for the football season and becoming acquainted with the stalwarts who will comprise the football squad. Inciden-

n and the University's effort to give "All-Out" e high scholastic standards established during the as one of the country's finest engineering colleges

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work. Lehigh's standards are inviolable.

MUCH has been said and written during recent months concerning the role of the student engineer in the war effort, and there is general agreement that such students can probably serve their country and themselves by continuing training in their chosen fields of engineering. Lehigh undergraduates, without pagentry and without conspicuous demonstrations, are following the recommendation of General McSherry and other leaders in the Army, the Navy, and councils of industry, and are continuing their education at Lehigh even though many of them would prefer the more immediate participation in the activity of the armed forces. It requires courage to stick to what may seem to the impulsive or to the ill-advised, ordinary routines of basic college instruction. Lehigh undergraduates are demonstrating that courage.

But war service and civil needs are (Continued on page sixteen)

tally, George will have available for varsity use students of the four classes under an agreement to waive the freshman rule which has become common in college circles this fall.

Underneath the stir, the rustling and the rumbling there is apparent a deep and inarticulate determination, a fervent promise in the hearts and minds of faculty and undergraduates that Lehigh's reputation for hard boiled efficiency shall not be altered. No laboratory exercise, no announced quiz, no term report has been modified because of hot weather or the pressure of other





DEAN CONGDON

TEVER before in any of the war experiences of this country has the part played by technically and professionally trained men ranked so high in the scale of patriotic duty as it does today. Both the military chiefs and the leaders of planned industrial production recognize these occupations as war services. Consequently, our Government has gone out of its way to make it possible for capable and earnest young men to complete their college training before going into the service of their country. This is not done as a favor to college men, nor merely to keep our collegiate institutions out of the doldrums. It is done as an indispensable measure to prosecute more efficiently the war effort.

Two types of provisions to secure the necessary pool of trained men for both industry and professions, and also for the armed forces, have been set up.

Selective Service System

Under the Selective Service and Training Act of 1940 and later directives to implement its intent, provision has been made to place certain categories of college students in Class IIA deferment as "potentially necessary men in training and preparation for critical occupations", where shortage of trained manpower is evident according to studies of the National Roster of Scientific and Specialized Personnel. The conditions of this deferment include the following provisions:

1. Where capable students qualify, the college shall recommend and the



BY DR. WRAY H. CONGDON

Dean and Chairman of the Committee on War Services

local boards shall classify them in Class II A with the intention to defer them until graduation.

- 2. Deferment shall carry for sixty days beyond graduation in order that such trained graduates shall be able to become placed in war industries or other critical occupations before any local board proceeds to induct them into the army.
- 3. No such deferment shall take place until the end or approximately the end of the student's second year of college work when the likelihood of his academic success and graduation can be better determined.
- 4. Because of shortages in trained personnel in these critical occupations, deferment in Class II A is authorized for promising students in the following fields:

ACCOUNTING
CHEMISTRY
DENTISTRY (PRE-DENTAL)
ECONOMICS
ENGINEERING:
AERONAUTICAL
AUTOMOTIVE
CHEMICAL
CIVIL
ELECTRICAL
HEAT, VENTILATION
REFRIGERATION AND AIR CONDITIONING
MARINE
MECHANICAL
MINING, METALLURGICAL
RADIO
SAFETY
TRANSPORTATION
GOEPHYSICS
INDUSTRIAL MANAGEMENT
MATHEMATICS
MEDICINE (AND PRE-MEDICAL)
METEOROLOGY
MINISTERS (AND PRE-THEOLOGICAL)
NAVAL ARCHITECTURE
PERSONNEL ADMINISTRATION
PHYSICS
ASTRONOMY
PSYCHOLOGY
STATISTICS
TEACHING (VOCATIONAL, TECHNICAL, PRO-

5. Where justifiable, deferment will be given for graduate study in these fields, particularly when the student as a "graduate assistant" spends part of his time teaching college students.

Enlisted Reserve Corps— Military

The armed forces have recognized the indispensability of a pool of potential officer material, having as complete college training as possible. They have provided for this by making available various types of Enlisted Reserve Corps opportunities whereby a student may enlist in one or another branch of the armed services and remain in college at least two years and in many cases until he has graduated. The more important types of enlisted reserve openings include the following:

The United States Navy has estab-

lished various types of enlisted reserve opportunities for different lengths of stay in college.

The V-1 Navy Program

Qualifications: Male citizens, attending or accepted for admission to accredited colleges and universities approved by the Navy for V-1 programs. Students taking full-time work in a curriculum leading to a baccalaureate degree, freshman or sophomore status, unmarried, 17 or older but under 20 on date of enrolment, in good academic standing, of good character and repute, possessing potential officerlike qualities and aptitude for Naval Service and meeting certain physical qualifications, may be enlisted up to the limit of the quota granted the institution.

Validating Examination: In the spring of a student's second calendar year of college work, about March 1, he shall compete in a validating examination of general academic content.

Disqualifications: A student may lose his deferred status as a V-1 Naval Reservist and be required to report for active duty as an Apprentice Seaman under the following conditions.

- 1. Failure to make a sufficiently high score on the Validating Examination.
- 2. Failure to progress satisfactorily towards his degree or to keep in "good standing" scholastically.
- 3. Leaving college for any reason. Exception: See paragraph 1 on page 6.

Note: No student may qualify for V-5 or V-7 who was not previously enlisted in the V-1 program.

The V-7 Navy Program

Of an expected 80,000 freshmen annually enlisted in V-1 and as sophomores taking the Validating Examination in the spring of their second year, those 15,000 ranking highest on this examination will have an opportunity to volunteer for V-7 enlistment. They must meet further rigid physical standards. Such students may presumably finish their college course and then reports for training that will qualify them for various types of Ensign commissions, as:

1. Engineer Officers—ensigns, probationary (construction). CC-V (P).

(Continued on page ten)

War Means Action for these Alumni

Whether it be in actual combat on the far flung fronts or as industrial and government executives

Lehigh trained men everywhere are giving their all

S OMEWHERE out on the firing line in Australia last month a lieutenant sent off a letter to Lehigh. "Boy," he said, "it sure is good to hear how things are going back on South Mountain."

In a skyscraper of lower Manhattan a busy executive called his secretary. "Take this letter to Lehigh," he asked, and began—"Of course you can count on me where the old college is concerned—."

At a Lehigh club meeting in Washington where day and night work is the rule, the room is over-crowded with men whose names can be found on speaking lists at prominent production meetings throughout the country.

To outsiders, this kind of spirit doesn't quite make sense. But to Lehigh alumni who know it, undergraduates who are finding it and freshmen who have been guided to college by

it, there is a warm quality there that cannot quite be defined.

That, too, is why Lehigh and the war picture bring a sort of mutual family pride to that lieutenant in the Australian brush and to that executive in New York.

Even with the war less than a year old the Lehigh spirit is strong among Lehigh men, already over 600 strong at the world's battlefronts. Obviously, much interesting information must be withheld at this time as being valuable to the enemy, but the general picture gives a heartwarming indication of the prominent part being played.

Just before Pearl Harbor a group of enthusiastic alumni formed a Lehigh Club of the Philippines. The fate of that club is obvious but unfortunately some time may pass before news is received of the men themselves. Lt. Col. J. F. Cottrell, '06, is listed as missing since the fall of Corregidor, while no word has come, as yet, from Major J. D. McPherson, '23, who was in charge of all electrical construction in the Philippines. No news is good news in the case of Major General A. M. Patch, '12, who is commanding the U. S. forces in New Caledonia.

A LREADY, as reported in the Bul-LETIN, several Lehigh men have heroically given their lives in action, the latest being Lt. Com. W. W. Gilmore, '17, who died when engaged in activities beyond the line of duty while attempting to rescue the wounded from a gun station of the aircraft carrier Lexington during its last fight. When last reported, Major A. T. "Brick" Wilson, '21, was with the infantry reserve corps at Manila.

Other high-ranking Lehigh men in

PICTURED on this and the following page are a few of Lehigh's outstanding alumni actively engaged in war work. Below (left to right) Dr. Walter S. Landis, '02, a University trustee, now coordinating the chemical industry with the war program; Alfred R. Glancy, '03, Chief of Production under General Somervell; Dr. Eugene G. Grace, '99, president of the Bethlehem Steel Corp. (on opposite

page) Tom M. Girdler (dark suit), '01, chief executive officer of Republic Steel, Consolidated Aircraft, and Vultee Aircraft chats with Lord Halifax; Major General Philip H. Torrey '06; J. D. Berg, '05, chairman of Dravo Corp. accepts the All Navy E awarded by the United States Navy for excellence in the production of various war products







the armed services include Major General P. H. Torrey, '06, commanding the 1st Marine Division; Col. Frank T. Leilich, '08, who is seeing action as commander of the 135th Engineers, and Col. D. H. Torrey, a classmate, who is with the Headquarters of the Second Corps Area. Two recent appointments are Colonel L. S. Horner, '98, who in civilian life is an industrial consultant, and Major Morton Sultzer, '12, who until recently had been with the Bell Telephone Laboratories in New York.

Lt. Col. C. A. Schwarzwaelder, '11, holds the important post of Utility Officer at the United States Military Academy, while two classmates of 1914 are Major T. G. Shaffer, with the Headquarters of the Sixth Army Corps and Colonel H. D. Jay, who is with the Artillery Section of the Fourth Army Corps. Colonel Miles W. Kresge, '16, is located at the Picatinny Arsenal, Dover, N. J. Others holding prominent posts are Lt. Comdr. J. A. Carlson, '17, with the Civil Engineering Corps in Bermuda; Major H. C. Dayton, '17, of the Army Transport Service at the San Francisco Port of Embarkation; Major William T.-Staats, '18, of the Engineering Unit of the Ferrying Command, U.S.A.F.; Lt. Comdr. C. R. Flory, '20, of a Mobile Base Hospital, and Major A. J. Wick, '20, of the U. S. Army Base in Brooklyn.

Major C. H. Greenall, '22, is with the Ordnance Department of the Frankford Arsenal in Philadelphia, while Major Donald A. Heath, '26, is with the Seventh Field Artillery Battalion.

The class of 1928 is represented by Major R. A. Canning, of the Engi-



neering Corps and a like rank is held by C. J. Bishop, '31, of the Army Medical Reserve in the Panama Canal Zone as well as E. V. Schuyler, '32, of the United States Army Air Corps, in Arlington, Va.

It is interesting to note that of all Lehigh alumni now recorded as being in the services, an exact 66% are commissioned officers while many others who will eventually swell this percentage are in training courses or are officer candidates.

THE same high percentage of executive personnel is found among the Lehigh men on the firing line of American industry. When war came, Lehigh's educational policy of preparing men well—not to carry out one single operation but to have the "know how" of an entire field brought many executives, thoroughly equipped, into new and vital war work. Conver-

sions from civilian production became the rule but "shades of Mansfield Merriman"—who couldn't convert?

W. C. MacFarlane, '04, head of the Minneapolis-Moline Power Implement Company, snapped his firm literally from ploughshares to swords. Even before Pearl Parbor, labor and capital had been so well coordinated through his efforts, that when war was declared men and management combined to finance a victory advertisement for the firm and doubled their efforts in making war vehicles in place of the usual line of tractors.

At the great Packard Motor Company, the famous line of motors were needed immediately for our fighting forces but just at that time the president of the firm was seriously injured in an automobile accident and Alvan Macauley, '92, chairman of the board, stepped into the picture again to take

(Continued on page eighteen)

ITH the approval of the trustees and the faculty Lehigh University has instituted a "general college division." The division aims to:

A. Provide a general education for boys who are not planning a four year program.

B. Provide special preparation for boys who plan to enter one of the 'armed services in a short period of time.

C. Provide a try-out for boys who desire a four year college program yet who are unable to meet the entrance requirements for such a program.

D. Provide facilities for boys who are prepared for and desire a restricted or a specialized program.

E. Provide facilities for adults, to further their own education without being committed to a fixed program of studies.

Within the scope of the aims mentioned an individual student can take a comprehensive program one or more years in length, concentrate in a single field of study, or choose, under guidance, those courses of interest to him. In some instances the program will be a terminal one within the boundaries of the general college division. In other instances the program will be try-out or preparatory for one of the colleges of the University, admission to which will be subject to the approval of certain parts of the present University organization. No prescribed pattern of courses is envisioned. In reality each student will have a tailor-made program, one not subject to distribution or curriculum requirements, yet one limited by the ability of the stu-





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(Left) Dr. Harold P. Thomas, director of the General College Division. (Above) The development of mechanical skill is encouraged in laboratories

dent to meet the prerequisites of the individual courses which he desires to

Admission to the general college division as to the colleges of the University is through the department of admissions. Again there is no prescribed pattern. Each candidate will be treated as an individual. As such he must exhibit evidence of ability to pursue with profit the subjects desired as demontrated by high school records, rank in secondary school class, psychological test results, recommendations of secondary school principals and recommendations of other competent observers. Also he must show evidence of inter-



Coportually at Beligia COMBANIAN CONTRACTOR

(Right) Students learn the use of aerial instruments at the local airport. (Above) A student becomes intrigued with a difficult chemical analysis

est in the desired program as manifested by experience and by competent testimony. Should additional evidence be desired the applicant may be asked to write specified examinations.

After admission and assignment to classes the general college division student will, with few exceptions, enjoy the same status as all other students of the University. He will be eligible for prizes, competition for which is not restricted to students of the regular undergraduate colleges. He will participate in undergraduate activities, have access to student aid and have the right of petition. Also, University regulations pertaining to scholastic proba-

tion and being dropped from college apply with equal force to general college division students. On the other hand he will not be a candidate for a degree save in those instances where transfers to one of the three undergraduate colleges is approved by a committee composed of directors of curricula.

As intimated in previous paragraphs all the work offered in the general college division will at present be found in the existing programs of the several departments of the University. This does not mean that the work will, like the present freshman and sophomore programs, consist largely of preparation for the upper classes of our institution. On the contrary for the majority of the general college division students there will be a break with the general freshman-sophomore program in that courses will be looked upon as complete in themselves and not as prerequisites established to satisfy the basic requirements for later specialization. Furthermore, consideration will be given to the development of special courses for the general college division group especially as time indicates certain needs of which we may not be aware at the moment.

The General College Division has not been set up as a sanctuary for the academic "lame, halt and blind." It is based upon sound educational objectives, in keeping with the high traditions of our honored institution. It is a pioneer attempt on a college level to meet the needs, abilities and interests of students who desire and are capable of profiting by a tailor-made education.



University Students and War Service (Continued from page five)

A specialized service for ship design and construction. Open to juniors and seniors in accredited universities or colleges, studying "Naval architecture or allied engineering."

- 2. Deck Officers—ensigns, probationary. D-V (P). For administrative, navigation and specialized duties. Technical college training not required. Physical requirements for specialized services permit enlistment of juniors and seniors with visual acuity 12/20 in each eye without glasses, and 5 ft. 6 in. tall.
- 3. Engineer Officers—ensigns, probationary. E-V (P). Professional and technical engineering training required.
- 4.Medical and Dental Students.. H-V (P). Students in Class A medical schools, or accepted for Admission to such by the senior year of their premedical course. To be continued in training until graduated from medical school.
- 5. Ordnance Officers—ensign, probationary. O-V (P). Technical and scientific knowledge necessary for supervision of design, manufacture, or testing of ordnance material, the development of new material, or application of inventions, new discoveries, and commercial practices to the problems of ordnance design and manufacture.
- 6. Supply Officers—ensigns, probationary. SC-V (P). Supply corps duties, specializing in purchase and supply, finance, accounting, transportation, foodstuffs, textiles, and fuels. Openings now for seniors majoring in Accounting and ranking in the top third of their class scholastically.

The V-5 Navy Program

After V-7 enlistecs have been selected, the next 20,000 in rank on the Validating Examination results are eligible to volunteer for V-5, Aviation Cadet Training. They will be called to active service soon after the close of their current year of college work.

These students are now being assigned to the CAA Civil Pilot Training, full-phase aviation training, for preliminary and secondary courses, at various institutions. Lehigh University is providing facilities and training for such groups on a contractual basis with the Government.

After 15,000 students have been selected for V-7 and another 20,000 for V-5, if there are any remaining of

the original V-1 enlistments (45,000 if the 80,000 freshmen quota should be filled in all colleges) these will report for active duty with the Navy as Apprentice Seamen. After a year's service, if they show promise of being suitable officer material, they may be recommended by their commanding officer for officer training qualifying for a commission.

However, if a student not making the grade or the Validating Examination or leaving college for any reason, can pass the physical and intelligence tests for prospective aviation officers, he will upon request be sent to one of the Navy's flight training centers and be given a chance to qualify for a commission as an aviation officer.

MARINES. Full-time students in curricula leading to recognized baccalaureate degrees, in an accredited college or university, maintaining satisfactory scholastic standing and meeting the physical qualifications may, in any college year, enlist in the Marine Corps Reserve and expect to be continued in college on inactive-duty status until graduation.

Age limits are set up as follows: freshmen, 17-22; sophomores, 18-23; juniors, 19-23½; seniors, 20-27; graduates 20-30.

If it proves necessary to call a Marine Reservist to duty before his graduation, he will be given a six months notice.

The Army Enlisted Reserve

Comparable to the Navy V-1 Program is the Army Enlisted Reserve Corps plan. Each college is given a quota and may enlist students meeting the stipulated qualifications up to the maximum of the quota established. The quotas established for the Army E. R. C. at Lehigh University at present are: Freshmen, 228; Sophomores, 174; Juniors, 121; Seniors, 138; Speeial Students, 43; Total, 704. Students in the first two years of college will be enlisted "unassigned", unless they have previously enlisted in the Army Air Corps Enlisted Reserve as explained later. Students in the junior and senior years who have successfully passed their Validating Examination may be either "assigned" as in Advanced ROTC, Air Corps, Signal Corps, etc., or in some cases may remain "unassigned" if they fail to qualify further for one of these assigned branches of the Army.

Although quotas are this fall assigned for each class, after this year enlistments will be accepted only from the freshman class. Hereafter, the Enlisted Reservist in the upper classes will depend on how many of the original freshman Reservists survive and continue in college.

Qualifications: To qualify for the ERC, a student must meet the physical standards required of candidates for the Officers Candidate School, be a U. S. Citizen, be 18 years of age, give ample evidence of scholastic success, show evidence of leadership qualities, and be selected by the College Board of Selection made up of the Professor and Head of the Department of Military Science and Tactics and appointed university authorities.

Disqualifications: If a student does not do well scholastically, falls behind his class in academic progress, fails to qualify on the Validating Examination or for any reason leaves college he will be required to report to the Army at once for active duty as a private. Except that students in the Air Corps Reserve as later explained may still have an opportunity to qualify for a comcission as flying officer.

Validating Examinations: A Validating Examination must be taken prior to the end of the sophomore year. If a student is successful in this he is eligible to apply for advanced ROTC training, Army Air Corps, Army Signal Corps if meeting other qualifications, or to continue unassigned in the ERC, and may expect to complete his college course.

Failure to pass this examination will make a student liable for active service as a private "provided they have no valid reason for deferment." (See Exception in above paragraph).

The Advanced ROTC Course

To be eligible for Advanced ROTC a student must first have been enlisted in the ERC, have successfully passed

(Continued on page twenty)

A view of the new Eugene Gifford Grace Hall presented to the University last fall by Dr. Eugene G. Grace, '99, president of the Board of Trustees. Offices of the Department of Military Science and Tactics are located in this building as well as a large drill floor and a indoor sports palestra





DESIGN for VICTORY



September 7: 3:00 P.M. (Mon.) Faculty Meeting.

September 8, 9: (Tues., Wed.) Examinations for admission.

September 9: 5:00 P.M. (Wed.) Summer semester ends.

September 9: 6:00 P.M. Dormitories open to September lessees.

September 10: 10:00 P.M. (Thurs.) Freshman Week begins

Che Program

September 10, 11, 12: (Thurs., Fri., Sat.) Reexaminations.

September 14: 1-5 P.M. (Mon.) Seniors register.

September 15: 8-12 A.M. (Tues.) Juniors register.

September 15: 1-4 P.M. (Tues.) Sophomores register.

September 16: 8-12 A.M. (Wed.) Freshmen register. 1-4 P.M. (Wed.) Freshmen register.

September 17: 8:00 A.M. (Thurs.) Classes begin.

September 17, 18, 19: (Thurs.-Sat.) Graduate Registration.

September 25: (Fri.) Last day for filing applications for degrees to be conferred on Founder's Day.

October 7: (Wed.) Founder's Day (holiday).

October 29: (Thurs.) Mid-semester reports.

November 26: (Thurs.) Thanksgiving Day.

December 19: 4:00 P.M. (Sat.) Christmas holidays begin.

December 28: 8:10 A.M. (Mon.) Christmas holidays end.

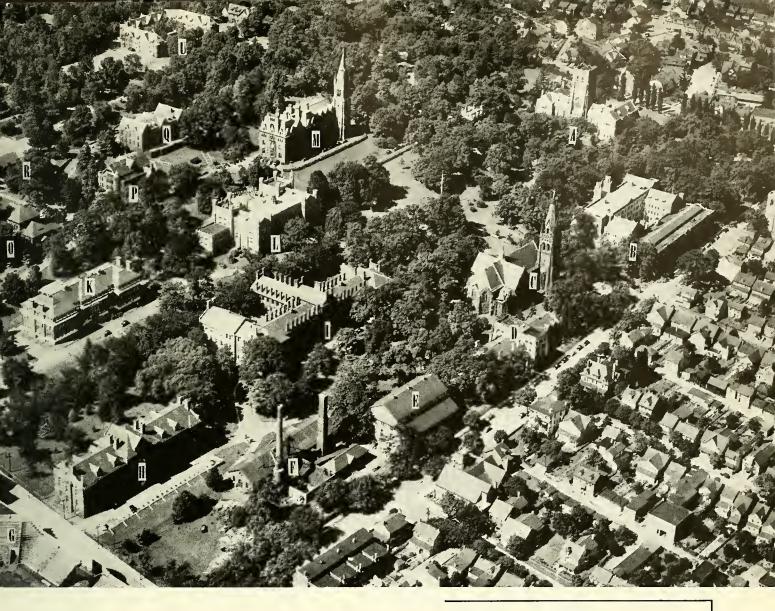
January 6: 10:00 P.M. (Wed.) Instruction ends (Fall semester).

January 7: (Thurs.) Examinations begin.

January 13: (Wed.) Examinations end.

January 19, 20: (Tues., Wed.) Undergraduate registration.

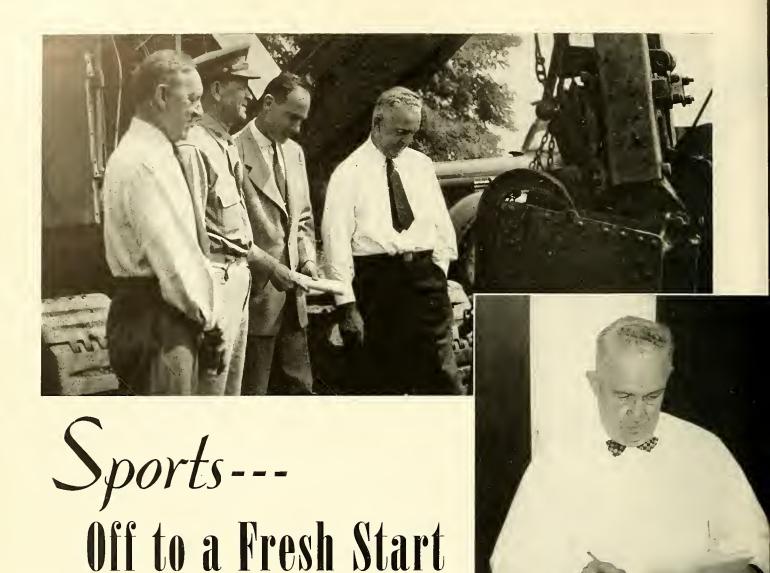
January 21: (Thurs.) Spring semester begins.



- A. Alumni Memorial Building. Houses the executive offices of the University as well as the Supply Bureau.
- B. Packard Laboratory. The departments of electrical and mechanical engineering are located in this building.
- C. Packer Memorial Chapel. Baccalaureate services, Bach festival performances and student musical concerts are held here.
- D. Christmas-Saucon Hall. Home of the College of Business Administration, the Department of English and the Health Service.
- E. Fritz Laboratory. Studies in strength of materials as well as in hydraulics are conducted here, supplemental to courses in Civil Engineering.
- F. Wilbur Laboratory and Power House. Equipment is designed for tests in addition to heat and power development.
- G. Corner of Taylor Stadium. Includes football and baseball fields with a seating capacity of 12,000. The upper level provides track and practice facilities.
- H. Physics Building. Entirely devoted to the use of the Department of Physics.
- I. Chemistry Laboratory. Remodeled and enlarged to house the departments of chemistry and chemical engineering.
- J. Taylor Gymnasium. Shower and locker facilities increased in the past year.

Che Facilities

- K. Williams Hall. Departments of biology, pre-medicine, geology and metallurgy are located here.
- L. Library. Contains also art gallery and treasure room.
- M. Packer Hall. Headquarters of departments of education, mathematics, civil engineering, philosophy, and psychology.
- N. Grace Hall. Lehigh's newest building includes a sports palestra and facilities for the Department of Military Science.
- O. Coxe Laboratory. Classrooms and laboratory for mining engineering are located in this building.
- P. Coppee Hall. All of the offices of the College of Arts and Science are centered here.
- Q. Drown Memorial Hall. Student recreation headquarters and undergraduate activities center.
- R. Lamberton Hall. This building houses student and faculty dining service.
- S. Richards House. This unit of the new dormitory system accommodates 144 students. Just below is Price House, one of the earlier dormitories.
- T. Drinker House. Companion dormitory to Richards House, above.
- U. Taylor House. Fourth of Lehigh's campus dormitories.



LEONARD H. SCHICK, '37

MAYLOR stadium, scene of many thrilling victories and heart breaking defeats, is empty. The gridiron covered with a lush blanket of green is unmarked by cleated shoe. But far in the distance one can hear the rumble which indicates that King Football is bestirring himself and will soon step into the limelight which is rightfully

Cohorts of the gridiron sport at Lehigh are particularly interested in the advent of football, because once again a new coaching dynasty has been established on South Mountain and every one is anxious to see what kind of a team will be produced this fall under the new regime.

Head of the new coaching staff will be George W. Hoban, '15, the third alumnus in the history of the University to be offered the position. Other alumni who guided Lehigh's eleven are Walter R. Okeson, '95, and A. Austin Tate, '17. The new head mentor comes to Lehigh after a successful career as a national collegiate football official, and coach at St. John's College and Baltimore Polytechnic school. While coach at these two schools his teams won seventy-three percent of the

108 games played.

In his undergraduate days at Lehigh, the new head coach participated in football, baseball, and track, but it was in the gridiron sport that he was particularly outstanding. Captain of the team in his senior year, Hoban was a member of Lehigh's now famed "wrecking crew" which started the season with a 12-0 victory over Franklin and Marshall College, and then swept through the season to conclude with a record of eight victories and only one defeat. The latter contest was with the Blue of Yale, and the final

(Top) Fay C. Bartlett, director of physical education; Col. Fay W. Brabson; James A. Gordon, acting director of athletics; George W. Hoban, grid coach, watch the reconstruction of the upper field. (Above) Coach Hoban at work preparing for the 1942 season

score was 20-3 in favor of the Elis. It was in this season that Lehigh scored 167 points to 80 for such opponents as Carlisle, Carnegie Tech, Penn State, Villanova, Johns Hopkins, Muhlenberg, and Lafayette. The latter team was defeated 17-7 in the final game, and this concluded one of the finest seasons ever campaigned by a Lehigh eleven.

HOBAN will be assisted in his coaching work by Eb Caraway, the only one of the old staff to remain; Leo Prendergast, who instructed the



Lehigh Operates on War Time (Continued from page three)

not limited to engineers. From all branches of the service, from the professions, and from ranking officers of Government come earnest pleas for men with adequate training in Languages, in Accounting, in the fields served by the College of Arts and Science and by the College of Business Administration. Lehigh students in the College of Arts and Science and in the College of Business Administration are fully as acceptable to the Enlisted Reserve Corps (described elsewhere in this issue) as are students in the College of Engineering. Many of the thoughtful men among Lehigh alumni as well as in the undergraduate body and among our prospective students recognize that the responsibility of the College does not end with preparing a war machine: College exists for the careers of students during the next forty years as well as during the period of military service. Students who are by natural talent and by inclination predisposed toward careers in Business and other professions can very well make serious mistakes in electing training in the College of Engineering merely because of the present emergency. Lehigh students are urged to dedicate themselves to serve their country during the present emergency and at the same time to lay as adequate a foundation as may be for the normal careers which they expect and hope to pursue after the war period. There is general agreement on the campus at Lehigh—faculty members, students in Engineering, Arts and Science, Business Administration, and the General College Division are all bending every effort toward contributing knowledge and man power to the present emergency and looking toward a substantial citizenry in the years of peace following active warfare.

The War-Time schedule at Lehigh leaves little opportunity for leisurely adjustment. Students now in residence for the summer semester will complete summer semester courses on September 9. Those students who occupy dormitory rooms will vacate those rooms by 6 p.m. on September 9, and promptly at 6 p.m. on the same day the rooms will be made available to students who have engaged them for the fall semester. Freshmen will report for the program of Freshman Week at 10 a.m. on September 10 and undergraduate registration will take place on September 14, 15, and 16. This year for the first time seniors will be the first class to register. Seniors will register Monday afternoon, juniors Tuesday morning, sophomores Tuesday afternoon, and freshmen on Wednesday, September 16. This order offers the upperclass-



BUSIEST man on the campus these days is E. Kenneth Smiley, director of admissions, who is responsible for granting admission only to those boys whose scholastic record in secondary schools indicates that they will be able to master the courses of study offered by the University. Mr. Smiley and his assistant Byron C. Hayes (pictured above) make every effort to personally interview most of the applicants

men who may have more complicated schedules to complete the widest range of choices among sections and avoid the difficulties which have occasionally arisen in the past when seniors and juniors found their schedules almost impossible to complete because of sections filled by lowerclassmen who had registered previously.

PRESENT indications point to a total enrollment in September only slightly below enrollment last year and a freshman class as large as any class which has ever entered the University. Lehigh is indeed maintaining her place in the "all-out" effort. The spirit of the time is to do the job at hand. To this end the University has marshalled its personnel and its resources. Members of the faculty are teaching without vacation, students are accepting necessary adjustments in recitation schedules and living arrangements — everyone knows that war imposes hardships on a whole people and individual incon-

veniences are of negligible importance.

There is no room at Lehigh for the "business as usual" attitude. Seriousness of purpose, earnestness of thought, diligence of effort, these are the characteristics of potential engineers, future business leaders, and pre-professional men. Engineering students, Business students, Arts students, General College Division students, all stand shoulder to shoulder in a concerted drive to make the most of the limited time available for college training. Special mention must be made of this newest Lehigh group, the General College Division, those students who for good and sufficient reasons do not have time to complete a program in one of the degree-granting colleges, who are utilizing the time available to them to take advantage of the facilities, instruction, and spirit of Lehigh to equip themselves for the job at hand and for careers to follow this artificial interruption of war.

Something of the spirit of the times is revealed in an activity new to Lehigh, the selection of students to fill the quotas of the Enlisted Reserve Corps. Applications for enlistment in the Enlisted Reserve Corps are being received from students in the College of Engineering, the College of Business Administration, the College of Arts and Science, and the General College Division. Each applicant receives an appointment for a physical examination at the University Health Service. The examining physician sends a physical report to the Board of Selection consisting of Dean Congdon as Chairman, Colonel Brabson, Professor of Military Science and Tactics, and the Director of Admissions. On this Board of Selection rests the responsibility of selecting those students who are to continue college training. Students selected are inducted into the service by Colonel Brabson as Professor of Military Science and Tactics. Thus, Lehigh is actually inducting students into the armed services while continuing the educational program consistent with the traditions of a great University. In the Lehigh Family are to be found students enlisted in the Army, in the Navy, in the Marines; and students just as serious, just as patriotic, just as useful, continuing sound educational programs for sound civilian careers, making the most of all the time available to them until the Government calls them under the provisions of the Selective Service Act.



An extreme margin for safety in the handling of heavy crane lifts over expensive completed assemblies is embodied in the design of the 11 new screw luffing, full revolving tower cranes being built by Dravo Corporation for the Newport News Shipbuilding & Dry Dock Company, Newport News, Virginia. Cranes have 125 foot boom and an operating capacity of 20 tons at a radius of 62 feet.

They are the first large cranes in this country to employ the screw luffing principle

Our Alumni

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I. D. BERG, '05

E. T. GOTT, '06

A. S. OSBOURNE, '09

L. C. ZOLLINGER, '09

V. B. EDWARDS, '12

GEO. F. WOLFE, '14

W. P. BERG, '17

E. H. ZOLLINGER, '18

F. J. LLOYD, JR., '23

B. E. RHOADS, '23

W. W. ARMSTRONG, '27

R. W. MARVIN, '27

PAUL G. STROHL, '27

G. W. FEARNSIDE, JR., '28

C. W. GRANACHER, '29

E. V. TWIGGAR, '31

J. K. BEIDLER, '34

W. A. ROBINSON, '34

H. E. LORE, '35

L. P. STRUBLE, JR., '35

D. R. BERG, '38

A. C. DRAKE, '38

W. B. WOODRICH, '38

K. C. COX, '39

C. C. BALDWIN, '40

A. T. COX, '40

F. E. HARPER, JR., '40

R. R. MERWIN, '40

ROBERT A. HECHTMAN, '41

WILLIAM H. LEHR, '41

RICHARDSON GRAY, '41

LLOYD F. GREEN, '41

WILLIAM J. BURKAVAGE, '41 GEORGE W. WOELFEL, '41

RICHARD M. DIETZ, '41

JOSEPH KASZYCKI, '41

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War Means Action for these Alumni (Continued from

the active presidency, a post which he is holding at this time.

Tom Girdler, '01, had his Republic Steel Corporation in such shape that he could also become chairman of the board of the Consolidated and Vultee Aircraft firms and head those organizations in their drive for the first assembly-line production of aircraft. H. D. Wilson, a classmate, pitched in as West Coast representative.

At the Dravo plant, manned by 37 Lehigh graduates from J. D. Berg, '05, chairman of the board, and A. S. Osbourne, '09, president, down to the most recent graduate, records of war production culminated in the award of the first "All-Navy E." Under the guidance of William C. Dickerman, '96, chairman of the board, the American Locomtotive Company achieved complete conversion to production of the fast, deadly efficient American tanks and added an "E" to their record.

In the Saturday Evening Post of July 25 appears the striking story of F. Vaux Wilson, '22, who is building defence housing at the rate of 5,000 in 125 days for Navy Yard workers in crowded Portsmouth, Va.

THE far-flung organization of the Bethlehem Steel Company, with over 300 Lehigh men in its employ and headed by Dr. E. G. Grace, '99, president, is an enormous arsenal in itself, stretching from coast to coast and producing an amazing diversity of war materials from ships to fabricated

Behind the firing line, too, is Ingersoll-Rand Company, whose power equipment is literally moving mountains to release the ores of vital metals and making possible the vast engineering works of a continent. Here credit goes to Daniel C. Keefe, '11, president, and Donald R. Lowry, '11, vice president of the firm. The latter is also vice-president of the Alumni Association.

The chemical industry, heart of a nation at war, is well represented by Dr. Walter S. Landis, '02, vice president of the American Cyanamid Company, and an alumnus trustee, who understands the problems and potentialities of his field so well that he has become the recognized champion of the industry in its almost unbelievable expansion.

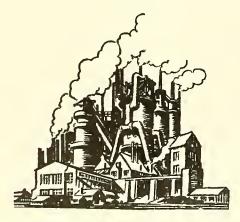
But essentially, any crosssection is unfair to thousands of other Lehigh men whose place in war industries is as vital, who fly the airlanes to the coast and back, drive day and night and forget that Sundays were once holidays. Equally true is it in Washington where, as has been remarked, the war will be won or lost.

Here in the nation's capital, Alfred R. Glancy, '03, chief of production under Commanding General Brereton Somervell, Services of Supply, War Department, has returned from England where he was President Roosevelt's representative in the absence of Averill Harriman.

Morris L. Cooke, '95, who was formerly assistant to Sidney Hillman, in the office of production management, has successfully completed his new assignment as United States arbitrator in the Mexican oil expropriation case.

The War Production Board itself, according to Alumni Association records, has this imposing list of Lehigh

Frank B. Bell, '97, is assistant chief (Continued on next page)



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W. F. Rust, Jr., '36

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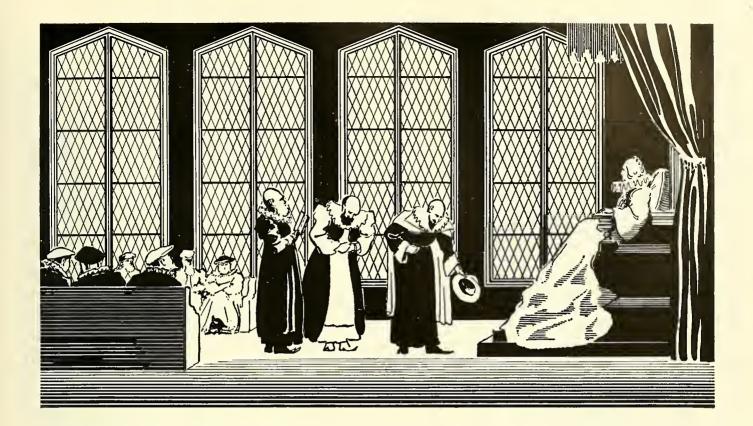
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By Order of Parliament

No coal was burned in London with Parliament in session . . . some members from the country boroughs believed the smoke would make them sick.

The people of England once thought that smoke from coal poisoned the air. Many English ladies were afraid to eat food which had been cooked over a coal fire.

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Oct. 10—Penn State\$1.	50
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Oct. 24—Rutgers 1.	50
Oct. 31—Hampden-Sydney 1.	00
Nov. 7—Muhlenberg 1.	50
Nov. 14—Dickinson 1.	00

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But now, for the first time, a transferable season ticket for all home games at the reduced price of

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of the Ordnance Branch, and also has the important duties of president of the Edgewater Steel Company in Pittsburgh.

STANLEY B. ADAMS, '29, is assistant chief of the Iron and Steel Branch, while Ralph L. Wilson, '21, is technical consultant for the Metallurgy and Specifications Section of the same division.

George C. Heikes, '23, is assistant chief of the Zinc Section, while Malcolm Metzger, '31, is chief of the Vanadium Section of the Materials Section of the Materials Division, and Philip Thayer, '10, is with the Division of Industry Operations.

Francis R. Pyne, '06, is the principal industrial specialist with the Copper Branch and Harry Egolf, '25, is administering P-73, the Mining Branch of the War Production Board.

David G. Fluharty, '29, is chief statistician for hte Sugar Rationing Price Control Distribution.

Only recently E. F. Johnson, '07, who has been serving as chief of the Ordnance Branch of the War Production Board, has been recalled to Detroit to resume his post with the General Motors Corporation as vice president of that war-important firm.

Professor Bradley Stoughton is dividing his time between the department of metallurgy at Lehigh and his post as chief of the Heat Treating Equipment Unit of the War Production Board, while James H. Pierce, '10, president of the Alumni Association, is in Washington regularly in his consulting capacity as well as a member of Harold Ickes' Fuel Conservation Board.

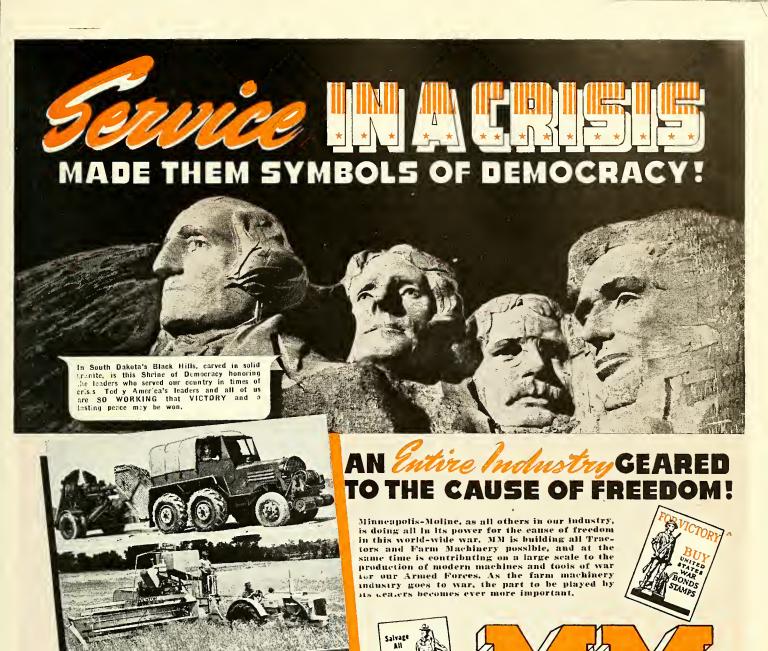
It is naturally gratifying to Lehigh to see the success of these alumni and many others in a war story too vast to sketch in these pages. But even more inspiring is the interest with which Lehigh men turn back to South Mountain in spite of the pressure of their work. For that is the spirit which makes Lehigh—and Lehigh men.

University Students---

(Continued from page ten)
the Validating Examination, and be
successful in his competition with
other applicants for a place in the
limited Advanced ROTC quotas.

Army Air Corps Enlisted Reserve

Any full-time student in an accredited college or university, 18-26 years of age, a U. S. citizen of 10 years



VICTORY must be the first endeavor of all Americans. To that task we pledge our indefatigable efforts. At Concord Bridge early in American history, "the embattled farmers stood, and fired the shot heard round the world." So, too, American farmers of today will always be in the forefront of this fight for freedom — and produce with limited help and with limited farm machinery the Food-for-Freedom.

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standing, able to pass physical and mental aptitude tests may enlist in the Air Corps Enlisted Reserve and continue in college on an inactive duty status until graduation. If a student withdraws from college for any reason he will be required to report at once for active duty.

Physical requirements for Flying Duty are very rigid, requiring visual acuity 20/20 without glasses, normal color vision and height minimum 64 inches, maximum 76 inches. Physical requirements for Ground Duty are those for a Reserve Officer's Commission and are somewhat less rigid in some respects.

Educational requirements are not stipulated as to curricula or courses for Flying Duty, although courses in mathematics, including plane and spherical trigonometry, physics, cartography, descriptive astronomy, and the physical sciences are strongly recommended. For Ground Duty special

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educational requirements are stipulated as outlined below.

Flying Officer. A candidate for officer's commission for flying duty, if successful in passing the requisite Classification Tests, may train for:

- 1. Bombardier. Mathematics through Trigonometry and physics desirable.
- 2. Navigator. Strong foundation in mathematics, also astronomy are desir-
- 3. Pilot. Mechanical aptitude, quick reflexes, perfect coordination, physique and temperment are essential factors. Mathematics and applied sciences are desirable.

Ground Officer. Candidates for commissions for ground duty must meet the minimum educational requirements as follows before accepted for enlistment even on deferred basis:

1. Armament

Minimum two years of a college engineering course. Aviation cadets who "wash out" as fliers may apply here if they have had two years of any college curriculum including one year of college physics, and if they failed no ground school subjects. Supervision and maintenance of all armament, machine guns, bomb racks, flares, etc.., are his responsibility.

2. Communications

Minimum two years of any college curriculum including one year of college physics or an amateur or commercial radio license. Maintenance and operation of radio, telegraph, teletype, and directional equipment including radio compass, fall to this officer.

3. Engineering

Minimum of three years of a college engineering curriculum. Aerodynamics and aeronautical subjects helpful. Responsible for all mechanical details that "keep 'em flying."

4. Meteorology

Minimum three years of college curriculum majoring in science or engineering, including mathematics through differential and integral calculus, and physics covering heat and thermodynamics. Must have maintained a rank in top third of the class scholastically. This officer has the important responsibility of accurate weather forecasting.

5. Photography

Minimum three years of college chemistry or geology, preferably with professional or considerable amateur photography experience. In charge of fixed and mobile photographic laboratories.

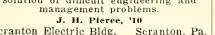
The Air Corps Reservist has three chances to earn a commission: (1) As a flying officer. If he "washes out" but fails no ground school subjects, then— (2) As a ground officer. If he fails in these courses, he then has a chance to go to—(3) Army Officer Candidate School.

The Signal Corps Reserve

Juniors or seniors engaged in the study of electrical engineering or electronic physics or who have specialized in radio communications, who stand well scholastically and who can meet the physical standards as set up for the Army Officers Candidate School, may be enlisted on an inactive-duty status in Enlisted Section, Electronics Training Group of the Army Signal Corps.

Application should be made directly to the Chief Signal Officer, War Department, Washington, D. C. Accompanying the application should be a statement from the Dean of Engineering stating the student's field of preparation and that he may be reasonably expected to graduate in normal time; and a statement from the Pro-

(Continued on page twenty-four)



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is in continual session with three semesters of sixteen weeks each. The summer semester is divided into two eight-week terms. Freshmen may enter at the beginning of any semester or term.

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which is optional, accomplishes all of the work of the four-year courses in two and two-thirds years. It provides students with as much college training as possible prior to the age of military service and it contributes more rapidly to the effective man power of the nation.

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is designed to meet the particular needs of individual students who are not candidates for a degree. Without reference to distribution or curriculum requirements, this program is based on individual capacities and interests.

For information address: Director of Admissions, Lehigh University, Bethlehem, Pa.

fessor of Military Science and Tactics certifying that the applicant appears to be suitable officer material.

Coast Guard Reserve Cadetships

The latest information concerning United States Coast Guard Reserve Cadetships states that applications will be considered from men now entering upon their Senior year in college. If enlisted, it is contemplated that such men will be allowed to continue on inactive status until their graduation and called into active duty thereafter.

Age limitations are 20-29 inclusive; physical requirements include minimum height of 65 inches and vision at least 20/30 each eye, uncorrected.

For college graduates, applicants must have, in addition to their degree, at least one semester of trigonometry in high school or college and one additional semester of college mathematics.

STUDENTS WHO ARE RESERVISTS IN ANY OF THE BRANCHES OF THE ARMED SERVICES ARE EXEMPT FROM DRAFT UNDER THE SELECTIVE SERVICE AND TRAINING ACT OF 1940.

Because college students realize that young men of their own age group are seriously needed in industry and in the armed forces, they naturally are inclined to fret at not participating more immediately in the war effort. They feel that they are in college on "borrowed time." This is in fact the position of the leaders of our armed forces and the Selective Service Director. Witness the following statement in an Army-Navy Joint Release of May 14, 1942.

"The country can no longer afford to have young men proceed with their education at a moderate tempo. Extracurricular activities not specifically directed toward physical or mental preparation for participation in the war effort can no longer be encouraged. In war time, recreation in college life must be limited to that necessary for a healthy and well-rounded existence. In other words, the colleges in war time must be places of intensive effort and accomplishment. For those colleges which are prepared to proceed with education along these lines, and for those young men who are prepared to enter or remain in college with these purposes and who have the

qualities of mind and character to carry them out, the Army and Navy urge the continuance of college education."

When the Government agencies are making it so clear by their special provisions to enable students to stay in college, that they want students to do so, the student who is living up to his side of the bargain by faithful application to his studies and as rapid progress as possible towards his degree, need feel no compunction in availing himself of these opportunities for completing his college training. To the extent that he is making himself a thoroughly trained individual for some special field of war effort, military or non-military, to that extent he can take satisfaction in the fact that he is making his contribution to the total war-effort in types of service for which there is dire need for well-trained personnel. He is in college on borrowed time truly—but the loan will be fully repaid in deferred services because the government in its all-out war effort shall gravely need and demand those expert and professional services at a later date.

Sports---Off to a Fresh Start (Continued from page fourteen)

yearling forward wall in 1941, and George Ekaitis, who resigned as head coach and director of intra-mural athletics at Washington College in Chestertown, Md., to accept his present position.

Caraway will serve as head of the Junior Varsity staff and business manager for the athletic team. He will also remain as head baseball coach. Prendergast, who starred in his undergraduate days at Lafayette, is famed for the outstanding teams he produced as head coach at Bethlehem High school. Ekaitis graduated from Western Maryland College in 1931, and was generally rated as one of that school's outstanding players.

The schedule arranged for the Brown and White eleven this fall finds the team prying off the lid on October 3 in the Yale Bowl against a potentially powerful Eli eleven. Then for six successive Saturdays the team will play host to such colleges as Penn State, Pennsylvania Military College, Rutgers, Hampden-Sydney, Muhlenberg, and Dickinson. The eighth and final contest, the all important game with the Maroon of Lafayette, will be played November 21 at Easton.

While none of the new coaches is willing to make any prediction about the coming season, it is not a difficult task to glance down the roster of veterans returning and to notice that 12 lettermen will be back for another campaign, and that 34 of the candidates are over six feet tall. In addition to these figures 13 of the men tip the beam at well over 200 pounds.

This is one of the best balanced squads to wear the Brown and White in many seasons, and Lehigh fans everywhere fully expect the team to emerge from the doldrums which saw the 1941 eleven lose six games and tie three. No one expects Coach Hoban and his aides to produce an undefeated team, but enough optimism has been evidenced which indicates that Lehigh will win a few games in the coming campaign.

Leader of the lettermen returning is Bernard Deehan, a fleet half back who was selected by his mates to lead the 1942 eleven into action. Other backs who saw plenty of action last year are Stanley Szymakowski, Junior fullback, who was the mainstay of the team last fall; Bill Hayes, a 166 pound senior, who plays halfback; Bill Hitt-

inger, a junior, who sparked the team as quarterback, and Roland Stoehr, another senior, who is expected to make it tough for 1942 opponents.

OTHER lettermen include Don Brownlee, who played in the backfield last year, but who will probably be shifted to his original position at end; Harry Clarke, and Dick Johnson, two tackles who weigh well over 200 pounds; Bob Bird, Tom Buck, and Edward Cavanaugh, three seniors who alternated at the guard positions; and finally Claude Kurtz, and Dick Shafer, 190 pound juniors who played outstanding games as center on the 1941 eleven. Both of these latter players are over six feet tall.

The squad will be further augmented by a husky group from last year's freshman team which played outstanding teams from Muhlenberg and Lafayette to a deadlock. Lehigh, like most other colleges, has abandoned the freshman ruling for the duration of the war, and thus for the first time in many years freshmen entering college this year will be eligible for varsity competition.



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